

Iordania Constantinou

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4124068/publications.pdf>

Version: 2024-02-01

28
papers

956
citations

471509

17
h-index

501196

28
g-index

28
all docs

28
docs citations

28
times ranked

2128
citing authors

#	ARTICLE	IF	CITATIONS
1	Microsystems for Cell Cultures. Biosensors, 2022, 12, 190.	4.7	1
2	Suppression of Nonradiative Recombination by Vacuum-Assisted Process for Efficient Lead-Free Tin Perovskite Solar Cells. Advanced Materials Interfaces, 2021, 8, 2100135.	3.7	20
3	Unveiling Roles of Tin Fluoride Additives in High-Efficiency Low-Bandgap Mixed Tin-Lead Perovskite Solar Cells. Advanced Energy Materials, 2021, 11, 2101045.	19.5	101
4	Space-Filling Curve Resistor on Ultra-Thin Polyetherimide Foil for Strain Impervious Temperature Sensing. Sensors, 2021, 21, 6479.	3.8	5
5	Efficient wide-bandgap perovskite solar cells enabled by doping a bromine-rich molecule. Nanophotonics, 2021, 10, 2059-2068.	6.0	17
6	Two-Phase Biocatalysis in Microfluidic Droplets. Biosensors, 2021, 11, 407.	4.7	3
7	Progress in Perovskite Solar Cells towards Commercialization—A Review. Materials, 2021, 14, 6569.	2.9	10
8	Application of bromide-iodide lead perovskite thin film as a copper-free back contact layer for CdTe solar cells. Solar Energy, 2021, 230, 832-842.	6.1	3
9	Spatially resolved electrical impedance methods for cell and particle characterization. Electrophoresis, 2020, 41, 65-80.	2.4	22
10	Self-Learning Microfluidic Platform for Single-Cell Imaging and Classification in Flow. Micromachines, 2019, 10, 311.	2.9	13
11	The Critical Impact of Material and Process Compatibility on the Active Layer Morphology and Performance of Organic Ternary Solar Cells. Advanced Energy Materials, 2019, 9, 1802293.	19.5	35
12	Every Atom Counts: Elucidating the Fundamental Impact of Structural Change in Conjugated Polymers for Organic Photovoltaics. Chemistry of Materials, 2018, 30, 2995-3009.	6.7	39
13	Impact of Nonfullerene Molecular Architecture on Charge Generation, Transport, and Morphology in PTB7-Th-Based Organic Solar Cells. Advanced Functional Materials, 2018, 28, 1802702.	14.9	44
14	Increased Exciton Delocalization of Polymer upon Blending with Fullerene. Advanced Materials, 2018, 30, 1801392.	21.0	20
15	Comparing non-fullerene acceptors with fullerene in polymer solar cells: a case study with FTAZ and PyCNTAZ. Journal of Materials Chemistry A, 2017, 5, 4886-4893.	10.3	44
16	Effect of Polymer-Fullerene Interaction on the Dielectric Properties of the Blend. Advanced Energy Materials, 2017, 7, 1601947.	19.5	51
17	Understanding and Eliminating Hysteresis for Highly Efficient Planar Perovskite Solar Cells. Advanced Energy Materials, 2017, 7, 1700414.	19.5	190
18	Strong polymer molecular weight-dependent material interactions: impact on the formation of the polymer/fullerene bulk heterojunction morphology. Journal of Materials Chemistry A, 2017, 5, 13176-13188.	10.3	49

#	ARTICLE	IF	CITATIONS
19	Utilizing Forster resonance energy transfer to extend spectral response of PCDTBT:PCBM solar cells. <i>Organic Electronics</i> , 2017, 42, 87-92.	2.6	8
20	Evidence of Molecular Structure Dependent Charge Transfer between Isoindigo-Based Polymers and Fullerene. <i>Chemistry of Materials</i> , 2016, 28, 2433-2440.	6.7	32
21	Charge Photogeneration in Organic Photovoltaics: Role of Hot versus Cold Charge Transfer Excitons. <i>Advanced Energy Materials</i> , 2016, 6, 1301032.	19.5	16
22	Organic Photovoltaics: Charge Photogeneration in Organic Photovoltaics: Role of Hot versus Cold Charge Transfer Excitons (<i>Adv. Energy Mater.</i> 1/2016). <i>Advanced Energy Materials</i> , 2016, 6, .	19.5	1
23	Formation of Perovskite Heterostructures by Ion Exchange. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33273-33279.	8.0	56
24	Photodegradation of Metal Oxide Interlayers in Polymer Solar Cells. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600741.	3.7	8
25	Effect of Thermal Annealing on Charge Transfer States and Charge Trapping in PCDTBT:PC ₇₀ BM Solar Cells. <i>Advanced Electronic Materials</i> , 2015, 1, 1500167.	5.1	35
26	Effect of Polymer Side Chains on Charge Generation and Disorder in PBDTTPD Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26999-27005.	8.0	27
27	High Efficiency Air-Processed Dithienogermole-Based Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4826-4832.	8.0	34
28	Batch-to-Batch Variation of Polymeric Photovoltaic Materials: its Origin and Impacts on Charge Carrier Transport and Device Performances. <i>Advanced Energy Materials</i> , 2014, 4, 1400768.	19.5	72